

Converting Colors

XYZ(21.2188, 25.5037, 31.7799)

Have a look what the booklet for
XYZ(21.2188, 25.5037, 31.7799)
contains.

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Color

**XYZ(21.3331, 25.6389,
31.8414)**

Conversions

Conversions Part 1

Format	Color
Hex	689294
RGB	104, 146, 148
RGB Percent	41%, 57%, 58%
CMY	0.5921, 0.4274, 0.4196
CMYK	0.30, 0.01, 0.00, 0.42
HSL	183°, 17%, 49%
HSV	183°, 30%, 58%
XYZ	21.3331, 25.6389, 31.8414
YIQ	133.6700, -25.6740, -8.2820

Conversions

Conversions Part 2

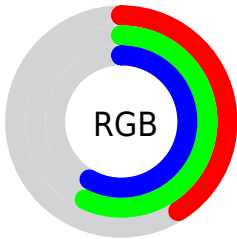
Format	Color
RYB	104, 125, 148
Decimal	6853268
CIELab	57.69, -13.78, -5.70
CIELCh	58, 14.910, 202.456
Yxy	25.6389, 0.2707, 0.3253
Android (android.graphics.Color)	4285043348 (0xFF689294)
YUV	133.6700, 7.0647, -26.0206
Hunter-Lab	50.6349, -13.4068, -1.8397

Details

The XYZ color **21.3331, 25.6389, 31.8414** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8658, 17.6037, 15.4481**, and the grayscale version is **22.5212, 23.6941, 25.8028**.

A 20% lighter version of the original color is **45.2196, 52.7409, 63.6738**, and **7.7712, 9.8318, 12.7974** is the 20% darker color. If you saturate the color by 10%, you get **19.6606, 24.6240, 31.7341**, and if you desaturate by 10%, it is **23.3093, 26.8126, 31.9642**.

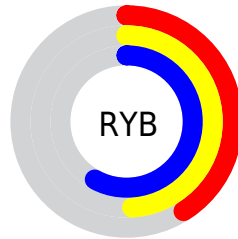
Distribution



Red (41%)

Green (57%)

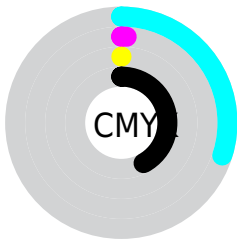
Blue (58%)



Red (41%)

Yellow (49%)

Blue (58%)

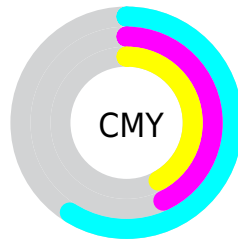


Cyan (30%)

Magenta (1%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (43%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3331, 25.6389, 31.8414 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.3331, 25.6389, 31.8414 by changing the saturation by 10% instead.

■ 21.3331, 25.6389,
31.8414

■ 21.3331, 25.6389,
31.8414

251.7418,
281.0049, 324.8666

■ 13.4816, 16.5537,
20.9766

■ 45.1284, 52.6918,
63.6574

■ 7.8403, 9.9168,
12.9158

■ 61.8028, 71.4283,
85.4456

■ 4.0438, 5.3438,
7.2405

■ 82.1489, 94.1507,
111.7121

■ 1.7270, 2.4504,
3.5323

■ 106.5320,
121.2434, 142.8753

■ 0.4731, 0.8516,
1.3724

135.3175,
153.0908, 179.3538

■ 0.0000, 0.0000,
0.1201

168.8707,

■ 0.0000, 0.0000,

190.0772, 221.5662

0.0000

207.5570,
232.5872, 269.9309

■ 21.3331, 25.6389,
31.8414

■ 21.3331, 25.6389,
31.8414

■ 19.6606, 24.6240,
31.7341

■ 23.3093, 26.8126,
31.9642

■ 18.2737, 23.7565,
31.6397

■ 25.6014, 28.1494,
32.1014

■ 17.1560, 23.0287,
31.5582

■ 28.2240, 29.6575,
32.2543

■ 16.2885, 22.4308,
31.4885

■ 31.1899, 31.3435,
32.4234

■ 15.6496, 21.9517,
31.4297

■ 34.5112, 33.2136,
32.6093

■ 15.2141, 21.5783,
31.3806

■ 38.1996, 35.2739,
32.8126

■ 14.9192, 21.2783,
31.3382

■ 42.2660, 37.5299,
33.0337

■ 14.9114, 21.2703,
31.3371

■ 46.7211, 39.9873,
33.2733

■ 51.5751, 42.6512,
33.5316

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.1228, 25.6389, 26.6459



21.3331, 25.6389, 31.8414



22.3371, 25.6389, 36.4567

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.3331, 25.6389, 31.8414



27.1925, 25.6389, 34.3438



24.8223, 25.6389, 19.2628

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.3331, 25.6389, 31.8414



19.8658, 17.6037, 15.4481

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.5206, 25.6389, 20.8263



21.3331, 25.6389, 31.8414



27.9318, 25.6389, 29.2266

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.3331, 25.6389, 31.8414



25.7035, 25.6389, 38.0200



27.6801, 25.6389, 24.3280



23.0815, 25.6389, 19.7829

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.3331, 25.6389, 31.8414



23.3491, 25.6389, 38.3752



27.6801, 25.6389, 24.3280



25.4181, 25.6389, 19.5548

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.3339, 25.6399, 31.8420



45.4105, 49.8057, 56.6547



18.8732, 25.1529, 17.3516



10.2339, 11.2929, 12.9252



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3339, 25.6399, 31.8420



35.5238, 43.9584, 56.0471



18.3295, 19.6311, 30.8405



5.9418, 6.5176, 7.4146



12.7421, 18.1789, 26.7683



0.1616, 0.2337, 0.3295

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.3520, 18.2725, 29.5441



37.6479, 28.7625, 51.2139



22.3617, 22.5955, 16.2801



6.0241, 5.9047, 7.2328



14.5587, 7.0285, 22.2208



0.1810, 0.0872, 0.2869

Previews

White Background



This preview shows how the XYZ color 21.3331, 25.6389, 31.8414 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.3331, 25.6389, 31.8414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

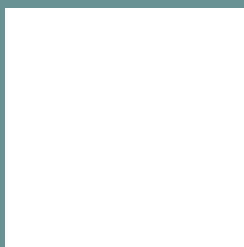
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3331, 25.6389, 31.8414

Background



This preview shows how black text looks on a background with the XYZ color 21.3331, 25.6389, 31.8414.

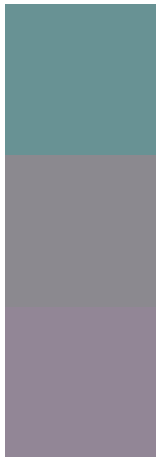


This preview shows how white text looks on a background with the XYZ color 21.3331, 25.6389,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.3331, 25.6389, 31.8414

Protanopia

24.5510, 25.3635, 29.5883

Deuteranopia

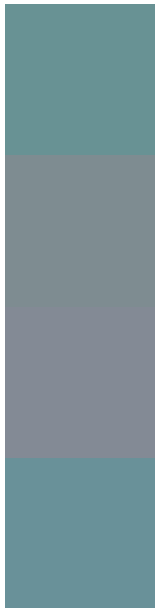
25.8842, 25.3632, 32.3855



Tritanopia

22.0700, 25.7153, 35.2528

Trichromacy



Original Color

21.3331, 25.6389, 31.8414

Protanomaly

23.0931, 25.2361, 30.4420

Deuteranomaly

23.8734, 25.1722, 32.0342

Tritanomaly

21.7009, 25.5540, 33.9256

Monochromacy



Original Color

21.3331, 25.6389, 31.8414

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9171, 24.2520, 27.9520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3331, 25.6389, 31.8414 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 146, 148)` looks like.

```
.text, #text, p{  
    color:rgb(104, 146, 148)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 146, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 146, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.3331, 25.6389, 31.8414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 146, 148) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 146, 148) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 146, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 146, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 146, 148);  
box-shadow:4px 4px 4px 4px rgb(104, 146,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3331, 25.6389, 31.8414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 146, 148) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
146, 148) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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